

JUL 5 1982

DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEMDRI 710 1-1-81
H041368 281
108Not confident
per Jahn R 6-28-82
6-27-82

INSTRUCTIONS The purpose of these records is to provide a convenient way to prepare an auditable record of the data and documentation used to apply the Hazard Ranking System to a given facility. As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference that will make the document used for a given data point easier to find. Include the location of the document and consider appending a copy of the relevant page(s) for ease in review.

FACILITY NAME _____

LOCATION _____

40110741



SUPERFUND RECORDS

GROUND WATER ROUTE

Ref

pg

1 OBSERVED RELEASE

Contaminants detected (5 maximum)

X levels were detected in _____ at _____ pp-
Background levels were _____ 'n _____

Rationale for attributing the contaminants to the facility

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifers(s) of concern

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern

it reaches surface → say = 0

Depth from the ground surface to the lowest point of waste disposal/
storage

Score = _____

Ref Pg

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal)

HRS manual
= Ref # 1

Mean annual lake or seasonal evaporation (list months for seasonal)

Net precipitation (subtract the above figures)

Score = —

Permeability of Unsaturated Zone

Soil type in unsaturated zone

use similar language as in HRS manual

Permeability associated with soil type

Score = —

Physical State

Physical state of substances at time of disposal (or at present time for generated gases)

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

* use same/similar language as that in the
HQS manual

Method with highest score

Score = -

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

As many as you want

Compound with highest score Copy pertinent pages from Sax

If this compound is different
from the observed release (or)
contaminant then must also
copy pages in Sax for OR contaminant

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those
with a containment score of 0 (Give a reasonable estimate even if
quantity is above maximum)

No such thing as 0

toxicity score -
persistence score -

Score = -

Basis of estimating and/or computing waste quantity

Mathematics

Score = -

5 TARGETS

Ground Water Use

Use(s) of aquifer(s) of concern within a 3-mile radius of the locality:

Score = -

Distance to Nearest Well

Location of nearest well drawing from aquifer of concern or occupied building not served by a public water supply

Legal location

Depth of well

Distance to above well or building

(Distance to nearest well score = -)

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (15 people per acre)

Total population served by ground water within a 3-mile radius

(population served score = -)

Total Score = -

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum)

Rationale for attributing the contaminants to the facility

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent

on site measurements preferred
if USGS is used then copy portion considered
and circle area

Name/description of nearest downslope surface water

Average slope of terrain between facility and above-cited surface water body in percent

on site measurements preferred

Score = -

Is the facility located either totally or partially in surface water?
For Flooding must document water levels over several years
Pictures are best evidence of flooding.

Is the facility completely surrounded by areas of higher elevation?

1-Year 24-Hour Rainfall in Inches

Score = -

Distance to Nearest Downslope Surface Water

Perennial Streams only

Copy portion of U.S.G.S map used

Name surface water body considered.

Score = -

Intermittent streams only considered in

Physical State of Waste

areas where normal annual precip ^{LT} ≤ 20 "

Score = -

3 CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated

Use language in HRS manual

Method with highest score

Score = -

4 WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated

Same as GW

Compound with highest score

tox score -

per score -

Score = -

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum)

Same as GW

Score = -

Basis of estimating and/or computing waste quantity

* * *

5 TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance. All uses must be on or contiguous to SW migration path.

measure from hazardous substance

Is there tidal influence?

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less

must lie on or contiguous to surface water migration path
Critical habitat = nesting, breeding and critical feeding areas.

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake

Intakes w/in 3 miles from probable pt. of entry

Computation of land area irrigated by above-cited intake(s) and
conversion to population (15 people per acre)

Total population served

Name/description of nearest of above water bodies

Distance to above-cited intakes, measured in stream miles

measure from probable pt. of entry or in the
case of an observed release, from the
hazardous substance

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected

Date and location of detection of contaminants

Methods used to detect the contaminants

Rationale for attributing the contaminants to the site

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2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound

Most incompatible pair of compounds

Toxicity

Most toxic compound

Hazardous Waste Quantity

Total quantity of hazardous waste

Basis of estimating and/or computing waste quantity

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined

0 to 4 mi

0 to 1 mi

0 to 1/2 mi

0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less

Distance to 5-acre (minimum) fresh-water wetland if 1 mile or less

less

Land Use

Distance to commercial/industrial area, if 1 mile or less

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less

Distance to residential area, if 2 miles or less

Distance to agricultural land in production within past 5 years if 1 mile or less

Distance to prime agricultural land in production within past 5 years, if 2 miles or less

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?